

Lorom's Flat Panel Display Cable assemblies are specifically **designed to outperform** strict international standards such as:

- Video Electronics Standards Association (VESA)
- Flat Panel Display Interface (FDPI-1)
- LVDS protocol
- V-By-One® HS for HD displays
- 3D displays specifications

Our flat panel display assemblies are being used in many global locations where the growing demand for human to machine interaction plays a pivotal role in providing instant information to the user. Lorom provide solutions for LVD & eDP cables, backlight, FPC & captive touch assemblies. Secondary low profile precision over moulding with in house developed tooling ensures a durable sealed connection, usable in almost any industrial environment.



Features

- Auto & hot bar soldering
- Selective plating
- Excellent flex life and flexibility
- Standard FFC & ZIF interface
- Moulded strain relief
- Foldable for easy integration mounting
- Cable lengths to suit your application
- Positive locking mechanism
- -40 to +125C temperature rating
- Flexible EMI shielding options
- Customer specified margins, backers & windows

Our FFC cables are available in a **0.3mm to a 2.54mm pitch** with a conductor count from **2 to 200**.



FFC Cables

You will find Lorom produced FFC cables and assemblies in a wide range of applications and markets. From military, automotive & robotics to consumer electronic & household appliances. Lorom also have the capability to produce FFC cables & assemblies in a clean room environment making us a great option for medical device manufacturers.

| Pitch (mm) | Number of Conductors | Typical Conductor Size (mm) | Insulation Thickness (mm) | Typical UL Certificate |
|------------|----------------------|--|-------------------------------|---|
| 0.5 | 2 - 200 | 0.05 * 0.3 0.076 * 0.28 | 0.043 0.06 0.08 | AWM2896 80°C 30V AWM20624 80°C 60V AWM20706 105°C 60V |
| 0.8 | 2 - 125 | 0.05 * 0.3 0.076 * 0.28 | 0.0043 0.06 0.08 0.1 | AWM2896 80°C 30V AWM20624 80°C 60V AWM20706 105°C 60V AWM2643 105°C 300V AWM2742 105°C 300V |
| 1.0 | 2 - 100 | 0.076 * 0.28 0.075 * 0.575 0.076 * 0.66 0.1 * 0.7 | 0.0043 0.06 0.08 0.1 | AWM2896 80°C 30V AWM20624 80°C 60V AWM20706 105°C 60V AWM2643 105°C 300V AWM2742 105°C 300V |
| 1.27 | 2 - 80 | 0.076 * 0.28 0.075 * 0.575 0.076 * 0.66 0.1 * 0.7 | 0.0043 0.06 0.08 0.1 | AWM2896 80°C 30V AWM20624 80°C 60V AWM20706 105°C 60V AWM2643 105°C 300V AWM2742 105°C 300V |
| 2.54 | 2 - 40 | 0.076 * 0.28 0.075 * 0.575 0.076 * 0.66 0.1 * 0.7 | 0.0043 0.06 0.08 0.1 | AWM2896 80°C 30V AWM20624 80°C 60V AWM20706 105°C 60V AWM2643 105°C 300V AWM2742 105°C 300V |